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January 31, 2020

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, SC 29210

Re: Duke Energy Progress, LLC- Monthly Fuel Report
Docket Number: 2006-176-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of December 2019.

Sincerely,

Katie M. Brown

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Mr. Jeff Nelson, Office of Regulatory Staff
Mr. Michael Seaman-Huynh, Office of Regulatory Staff
Mr. Ryder Thompson, Office of Regulatory Staff

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item		December 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$	115,943,407
	MWH sales:		
2	Total System Sales		5,784,601
3	Less intersystem sales		687,476
4	Total sales less intersystem sales		5,097,125
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)		2.2747
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)		2.5418
	Generation Mix (MWH):		
	Fossil (By Primary Fuel Type):		
7	Coal		696,540
8	Oil		7,328
9	Natural Gas - Combustion Turbine		128,075
10	Natural Gas - Combined Cycle		1,745,172
11	Biogas		1,653
12	Total Fossil		2,578,768
13	Nuclear		2,744,442
14	Hydro - Conventional		75,909
15	Solar Distributed Generation		15,101
16	Total MWH generation		5,414,220

Note: Detail amounts may not add to totals shown due to rounding.

Description		December 2019
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam	$	24,021,496
0501310 fuel oil consumed - steam		913,415
Total Steam Generation - Account 501		24,934,911
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,989,373
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		9,412,488
0547000 natural gas capacity - Combustion Turbine		1,582,881
0547000 natural gas consumed - Combined Cycle		34,813,667
0547000 natural gas capacity - Combined Cycle		11,721,657
0547106 biogas consumed - Combined Cycle		36,668
0547200 fuel oil consumed		300,773
Total Other Generation - Account 547		57,868,134
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		26,595,485
Fuel and fuel-related component of DERP purchases		16,243
PURPA purchased power capacity		3,749,303
DERP purchased power capacity		1,306
Total Purchased Power and Net Interchange - Account 555		30,362,338
Less:		
Fuel and fuel-related costs recovered through intersystem sales		15,060,316
Solar Integration Charge		186
Total Fuel Credits - Accounts 447/456		15,060,502
Total Costs Included in Base Fuel Component	$	114,094,254
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	976
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		2,033,482
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		126,839
Less emissions expense recovered through intersystem sales - Account 447		58,466
Total Costs Included in Environmental Component		1,849,153
Fuel and Fuel-related Costs excluding DERP incremental costs	$	115,943,407
DERP Incremental Costs		224,309
Total Fuel and Fuel-related Costs	$	116,167,716

Notes:
Detail amounts may not add to totals shown due to rounding.
DERP details are presented on Page 2.

Description		December 2019
DERP Avoided Costs (Total Capacity and Energy)		
Purchased Power Agreements	$	1,477
Shared Solar Program		201
Total DERP Avoided Costs		1,678
DERP Incremental Costs		
Purchased Power Agreements		344
DERP NEM Incentive		89,164
Solar Rebate Program - Amortization		46,553
Solar Rebate Program - Carrying Costs		40,478
Shared Solar Program		1,008
NEM Avoided Capacity Costs		2,439
NEM Meter Costs		9,903
General and Administrative Expenses		34,408
Interest on under-collection due to cap		14
Total DERP Incremental Costs	$	224,309

Notes:

Detail amounts may not add to totals shown due to rounding.

All amounts represent SC retail.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

DECEMBER 2019

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 2,258,170	$ 1,771,386	4,079	$ 486,784	-
City of Fayetteville	686,129	702,000	(12)	(15,871)	-
Haywood EMC	28,300	28,300	-	-	-
NCEMC	3,644,688	3,146,927	10,388	497,761	-
PJM Interconnection, LLC.	643,762	-	23,709	643,762	-
Southern Company Services	4,742,183	1,719,900	100,646	3,022,283	-
DE Carolinas - Native Load Transfer	1,820,193	-	67,488	1,821,333	$ (1,140)
DE Carolinas - Native Load Transfer Benefit	309,999	-	-	309,999	-
DE Carolinas - Fees	336	-	-	336	-
Energy Imbalance	12,980	-	523	11,936	1,044
Generation Imbalance	-	-	3	-	-
	$ 14,146,740	**$ 7,368,513**	**206,824**	**$ 6,778,323**	**$ (96)**
Act 236 PURPA Purchases					
Renewable Energy	$ 14,599,779	-	221,524	$ 14,599,779	-
DERP Qualifying Facilities	17,549	-	410	17,549	-
Other Qualifying Facilities	8,966,687	-	169,598	8,966,687	-
	$ 23,584,015	-	**391,532**	**$ 23,584,015**	-
Total Purchased Power	**$ 37,730,755**	**$ 7,368,513**	**598,356**	**$ 30,362,338**	**$ (96)**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

DECEMBER 2019

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Utilities:					
DE Carolinas - Emergency	-	-	-	-	-
DE Carolinas - As Available Capacity	$ 14,515	$ 14,515	-	-	-
Market Based:					
NCEMC Purchase Power Agreement	$ 818,149	$ 652,500	4,948	$ 138,252	$ 27,397
PJM Interconnection, LLC.	70,373	-	3,425	68,488	1,885
Other:					
Cargill-Alliant, LLC - Mitigation sales	-	-	-	-	-
DE Carolinas - Native Load Transfer Benefit	$ 2,681,632	-	-	$ 2,681,632	-
DE Carolinas - Native Load Transfer	12,835,518	-	679,100	12,357,249	$ 478,269
Generation Imbalance	(511)	-	3	-	(511)
BPM Transmission	-				-
Total Intersystem Sales	**$ 16,419,676**	**$ 667,015**	**687,476**	**$ 15,245,621**	**$ 507,040**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
December 2019

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,097,124,966
2	DERP Net Metered kWh generation	Input					2,099,381
3	Adjusted System kWh sales	L1 + L2					5,099,224,347
4	Actual S.C. Retail kWh sales	Input	189,027,955	23,888,093	268,168,563	6,429,161	487,513,772
5	DERP Net Metered kWh generation	Input	1,236,554	27,324	835,503		2,099,381
6	Adjusted S.C. Retail kWh sales	L4 + L5	190,264,509	23,915,417	269,004,066	6,429,161	489,613,153
7	Actual S.C. Demand units (kw)	L32 / 31b *100			666,690		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$97,022,860
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$67,411
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$97,090,271
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					1.904
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,622,675	$455,354	$5,121,892	$122,413	$9,322,334
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($41,058)	($4,291)	($22,062)	$0	($67,411)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,581,617	$451,063	$5,099,830	$122,413	$9,254,923
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.076	2.075	2.075	2.075	2.075
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,923,907	$495,678	$5,564,498	$133,405	$10,117,488
17	DERP NEM incentive - fuel component	Input	($5,843)	($611)	($3,140)	$0	($9,594)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,918,064	$495,067	$5,561,358	$133,405	$10,107,894
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	($336,447)	($44,004)	($461,528)	($10,992)	($852,971)
20	Adjustment	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	($336,447)	($44,004)	($461,528)	($10,992)	($852,971)
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.526	0.435			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			80		
23	Incurred S.C. base fuel - capacity expense	Input	$993,470	$103,827	$533,815		$1,631,112
24a	Billed base fuel - capacity rates by class (¢/kWh) - Note 2	Input	0.692	0.522			
24b	Billed base fuel - capacity rate (¢/kW)	Input			92		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$1,308,595	$124,696	$ 613,400	$0	$2,046,691
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	($315,125)	($20,869)	($79,585)	$0	($415,579)
27	Adjustment	Input					
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	($315,125)	($20,869)	($79,585)	$0	($415,579)
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.057	0.047			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			9		
30	Incurred S.C. environmental expense	Input	$107,722	$11,258	$57,882		$176,862
31a	Billed environmental rates by class (¢/kWh) - Note 3	Input	0.074	0.057			
31b	Billed environmental rate (¢/kW)	Input			10		
32	Billed S.C. environmental revenue	L31a * L4 /100	$140,810	$13,616	$ 66,669		$221,095
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	($33,088)	($2,358)	($8,787)	$0	($44,233)
34	Adjustment	Input					$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	($33,088)	($2,358)	($8,787)	$0	($44,233)
	Distributed Energy Resource Program component of recovery: avoided costs						
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.001	0.000			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.082		
37	Incurred S.C. DERP avoided cost expense	Input	$1,022	$107	$549		$1,678
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh) - Note 4	Input	0.003	0.003			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	$5,632	$717	$0		$6,349
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	($4,610)	($610)	$549	$0	($4,671)
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	($4,610)	($610)	$549	$0	($4,671)
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	($689,270)	($67,841)	($549,351)	($10,992)	($1,317,454)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$13,424,397					
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	($282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
May 2019 - actual	12,391,437	(39,695)	(9,623)	(40,702)	(1,255)	(91,275)
June 2019 - actual	11,820,549	(204,177)	(33,436)	(326,075)	(7,200)	(570,888)
July 2019 - actual	11,960,164	30,794	2,958	104,254	1,609	139,615
August 2019 - actual	12,138,158	50,982	6,141	118,902	1,969	177,994
September 2019 - actual	12,149,907	(5,068)	(2,111)	18,664	264	11,749
October 2019 - actual	11,737,925	(133,360)	(23,159)	(250,457)	(5,006)	(411,982)
November 2019 - actual	13,112,022	421,754	66,634	865,157	20,552	1,374,097
December 2019 - actual	12,259,051	(336,447)	(44,004)	(461,528)	(10,992)	(852,971)
_/5 January 2020 - forecast	11,428,538	(338,116)	(34,710)	(447,007)	(10,680)	(830,513)
_/5 February 2020 - forecast	10,314,103	(449,048)	(47,035)	(603,928)	(14,424)	(1,114,435)
_/5 March 2020 - forecast	9,463,202	(315,215)	(38,779)	(485,292)	(11,615)	(850,901)
/5 April 2020 - forecast	7,313,692	(677,876)	(108,128)	(1,331,673)	(31,833)	(2,149,510)
/5 May 2020 - forecast	6,142,279	(331,416)	(61,776)	(760,065)	(18,156)	(1,171,413)
/5 June 2020 - forecast	$ 5,973,181	($53,326)	($8,490)	($104,793)	($2,489)	($169,098)

Year 2019-2020

Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$574,929					
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	($254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
May 2019 - actual	924,824	125,236	18,384	(19,034)	0	124,586
June 2019 - actual	844,129	(99,572)	(1,971)	20,848	0	(80,695)
July 2019 - actual	1,259,813	196,610	25,312	193,762	0	415,684
August 2019 - actual	2,465,773	642,873	56,685	506,402	0	1,205,960
September 2019 - actual	2,674,275	77,548	(4,581)	135,535	0	208,502
October 2019 - actual	2,816,302	164,898	(4,727)	(18,144)	0	142,027
November 2019 - actual	3,042,516	180,886	3,234	42,094	0	226,214
December 2019 - actual	2,626,937	(315,125)	(20,869)	(79,585)	0	(415,579)
/5 January 2020 - forecast	2,086,879	(574,205)	(6,512)	40,659	0	(540,058)
_/5 February 2020 - forecast	1,564,585	(506,119)	(3,085)	(13,090)	0	(522,294)
_/5 March 2020 - forecast	1,463,437	(108,014)	14,689	(7,823)	0	(101,148)
_/5 April 2020 - forecast	1,847,104	256,657	19,529	107,481	0	383,667
_/5 May 2020 - forecast	2,200,343	350,538	12,041	(9,340)	0	353,239
_/5 June 2020 - forecast	$ 2,177,663	$66,293	($565)	($88,408)	$0	($22,680)

Year 2019-2020

Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$199,207					
March 2019 - actual	275,991	40,490	5,702	30,592	0	$76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
May 2019 - actual	427,128	57,448	6,955	37,822	0	102,225
June 2019 - actual	515,935	46,245	6,142	36,420	0	88,807
July 2019 - actual	585,999	35,423	4,025	30,616	0	70,064
August 2019 - actual	533,582	(41,088)	(5,683)	(5,646)	0	(52,417)
September 2019 - actual	496,704	(27,209)	(4,454)	(5,215)	0	(36,878)
October 2019 - actual	392,969	(54,170)	(8,236)	(41,329)	0	(103,735)
November 2019 - actual	331,861	(32,108)	(5,216)	(23,784)	0	(61,108)
December 2019 - actual	287,628	(33,088)	(2,358)	(8,787)	0	(44,233)
_/5 January 2020 - forecast	293,944	(22,042)	3,253	25,105	0	6,316
_/5 February 2020 - forecast	303,886	(13,629)	3,737	19,834	0	9,942
_/5 March 2020 - forecast	232,773	(47,707)	(2,388)	(21,018)	0	(71,113)
_/5 April 2020 - forecast	76,980	(91,875)	(10,585)	(53,333)	0	(155,793)
_/5 May 2020 - forecast	(55,469)	(65,502)	(9,693)	(57,254)	0	(132,449)
_/5 June 2020 - forecast	$ (128,559)	($35,263)	($4,701)	($33,126)	$0	($73,090)

Year 2019-2020

Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2019	$19,288					
March 2019 - actual	17,381	(2,803)	(12)	908	0	($1,907)
April 2019 - actual	21,608	1,112	352	2,763	0	4,227
May 2019 - actual	24,699	471	253	2,367	0	3,091
June 2019 - actual	28,250	252	306	2,993	0	3,551
July 2019 - actual	25,974	(3,344)	(290)	1,358	0	(2,276)
August 2019 - actual	21,827	(4,411)	(739)	1,003	0	(4,147)
September 2019 - actual	24,134	(329)	(311)	2,947	0	2,307
October 2019 - actual	24,317	(1,209)	(413)	1,805	0	183
November 2019 - actual	23,299	(1,750)	(409)	1,141	0	(1,018)
December 2019 - actual	18,628	(4,610)	(610)	549	0	(4,671)
_/5 January 2020 - forecast	21,386	416	92	2,250	0	2,758
_/5 February 2020 - forecast	24,404	784	116	2,118	0	3,018
_/5 March 2020 - forecast	28,388	1,935	135	1,914	0	3,984
_/5 April 2020 - forecast	34,616	3,649	170	2,409	0	6,228
_/5 May 2020 - forecast	41,127	4,259	157	2,095	0	6,511
_/5 June 2020 - forecast	$ 45,355	$2,612	$51	$1,565	$0	$4,228

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
December 2019

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurred S.C. DERP incremental expense	Input	$136,621	$54,079	$33,609	$224,309
45	Billed S.C. DERP incremental rates by account ($/account)	Input	1.00	2.02	99.56	
46	Billed S.C. DERP incremental revenue	Input	$138,643	$65,144	$26,453	$230,240
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	($2,022)	($11,065)	$7,156	($5,931)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	($2,022)	($11,065)	$7,156	($5,931)

Year 2019-2020 Cumulative (over) / under recovery	Cumulative	Total
Balance ending February 2019	$6,239	
March 2019 - actual	107,362	$101,123
April 2019 - actual	(62,019)	(169,381)
May 2019 - actual	13,138	75,157
June 2019 - actual	48,966	35,828
July 2019 - actual	95,723	46,757
August 2019 - actual	82,651	(13,072)
September 2019 - actual	85,703	3,052
October 2019 - actual	73,484	(12,219)
November 2019 - actual	65,969	(7,515)
December 2019 - actual	60,038	(5,931)
/5 January 2020 - forecast	53,327	(6,711)
/5 February 2020 - forecast	49,882	(3,445)
_/5 March 2020 - forecast	71,895	22,013
_/5 April 2020 - forecast	113,536	41,641
_/5 May 2020 - forecast	157,655	44,119
_/5 June 2020 - forecast	$206,029	$48,374

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.
Under collections, or regulatory assets, are shown as positive amounts.
_/5 Forecast amounts based on low end of range of expected fuel rates.

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CC/CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$3,739,976	-	$18,081,472	$5,232,946
Oil	-	-	-	$25,558	1,400,807	$255,333	581,786	260,683
Gas - CC	-	$17,370,984	$11,766,025	-	-	3,946,442	-	-
Gas - CT	$39	-	376,624	-	-	2,610,346	-	-
Biogas	-	-	-	-	-	-	-	-
Total	$39	$17,370,984	$12,142,649	25,558	$5,140,783	$6,812,121	$18,663,258	$5,493,629
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	316.94	-	262.95	276.34
Oil	-	-	-	1,231.71	1,535.62	1,533.44	1,480.97	1,482.84
Gas - CC	-	400.81	477.62	-	-	717.04	-	-
Gas - CT	-	-	564.18	-	-	385.90	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	400.81	479.91	1,231.71	404.39	534.46	269.87	287.44
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$2,921,364	-	$16,392,368	$4,707,764
Oil - CC	-	-	-	-	-	$52,218	-	-
Oil - Steam/CT	$22,736	-	-	-	71,745	171,331	512,712	328,958
Gas - CC	-	$17,370,984	$11,766,025	-	-	3,946,442	-	-
Gas - CT	39	-	376,624	-	-	2,610,346	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	$3,301,599	-	-	-	-
Total	$22,775	$17,370,984	$12,142,649	$3,301,599	$2,993,109	$6,780,337	$16,905,080	$5,036,722
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	328.39	-	320.92	321.88
Oil - CC	-	-	-	-	-	1,552.26	-	-
Oil - Steam/CT	1,591.04	-	-	-	1,555.28	1,555.29	1,462.59	1,482.33
Gas - CC	-	400.81	477.62	-	-	717.04	-	-
Gas - CT	-	-	564.18	-	-	385.90	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,593.77	400.81	479.91	55.67	334.72	546.28	328.70	339.22
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.05	-	3.28	3.79
Oil - CC	-	-	-	-	-	17.04	-	-
Oil - Steam/CT	78.40	-	-	-	7.95	18.36	15.20	17.45
Gas - CC	-	2.88	3.41	-	-	5.54	-	-
Gas - CT	-	-	5.58	-	-	4.31	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.56	-	-	-	-
Weighted Average	133.97	2.88	3.46	0.56	4.10	5.10	3.36	3.99
Burned MBTU's								
Coal	-	-	-	-	889,601	-	5,108,000	1,462,591
Oil - CC	-	-	-	-	-	3,364	-	-
Oil - Steam/CT	1,429	-	-	-	4,613	11,016	35,055	22,192
Gas - CC	-	4,333,949	2,463,460	-	-	550,376	-	-
Gas - CT	-	-	66,756	-	-	676,423	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,930,412	-	-	-	-
Total	1,429	4,333,949	2,530,216	5,930,412	894,214	1,241,179	5,143,055	1,484,783
Net Generation (mWh)								
Coal	-	-	-	-	72,070	-	500,208	124,262
Oil - CC	-	-	-	-	-	306	-	-
Oil - Steam/CT	29	-	-	-	903	933	3,374	1,885
Gas - CC	-	603,600	344,646	-	-	71,195	-	-
Gas - CT	(12)	-	6,753	-	-	60,592	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	587,086	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	17	603,600	351,399	587,086	72,973	133,026	503,582	126,147
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$183,363	$27,899
Limestone	-	-	-	-	$143,966	-	473,959	870,180
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	180	-	166,842	92,907
Urea	-	-	-	-	55,635	-	-	-
Total	-	-	-	-	$199,781	-	$824,165	$990,986

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME December 2019
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$27,054,394	$389,906,876
Oil	-	-	-	-	-	-	2,524,167	13,255,367
Gas - CC	-	-	-	-	$13,451,873	-	46,535,324	557,335,626
Gas - CT	-	-	$185,683	($3,114)	7,825,791	-	10,995,369	88,919,306
Biogas	-	-	-	-	126,335	-	126,335	1,598,809
Total	-	-	$185,683	($3,114)	$21,277,664	-	$87,235,589	$1,051,015,984
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	271.90	333.13
Oil	-	-	-	-	-	-	1,513.19	1,502.70
Gas - CC	-	-	-	-	365.42	-	421.94	400.32
Gas - CT	-	-	394.48	-	367.29	-	376.44	382.48
Biogas	-	-	-	-	1,397.97	-	1,397.97	2,656.53
Weighted Average	-	-	394.48	-	368.01	-	362.41	374.76
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$24,021,496	$358,782,416
Oil - CC	-	-	-	-	-	-	52,218	366,227
Oil - Steam/CT	-	-	-	-	$54,488	-	1,161,970	13,787,579
Gas - CC	-	-	-	-	13,451,873	-	46,535,324	557,335,626
Gas - CT	-	-	$185,683	($3,114)	7,825,791	-	10,995,369	88,919,306
Biogas	-	-	-	-	126,335	-	126,335	1,598,809
Nuclear	$8,469,421	-	-	-	-	$4,218,353	15,989,373	177,895,208
Total	$8,469,421	-	$185,683	($3,114)	21,458,487.00	$4,218,353	$98,882,085	$1,198,685,171
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	322.00	343.58
Oil - CC	-	-	-	-	-	-	1,552.26	1,573.82
Oil - Steam/CT	-	-	-	-	1,662.74	-	1,497.73	1,474.64
Gas - CC	-	-	-	-	365.42	-	421.94	400.32
Gas - CT	-	-	394.48	-	367.29	-	376.44	382.48
Biogas	-	-	-	-	1,397.97	-	1,397.97	2,656.53
Nuclear	57.45	-	-	-	-	56.40	56.80	59.42
Weighted Average	57.45	-	394.48	-	368.44	56.40	199.15	211.30
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.45	3.76
Oil - CC	-	-	-	-	-	-	17.04	15.79
Oil - Steam/CT	-	-	-	-	19.32	-	16.55	18.57
Gas - CC	-	-	-	-	1.85	-	2.67	2.94
Gas - CT	-	-	5.48	-	13.58	-	8.59	3.83
Biogas	-	-	-	-	7.64	-	7.64	17.76
Nuclear	0.60	-	-	-	-	0.57	0.58	0.62
Weighted Average	0.60	-	5.48	-	2.73	0.57	1.83	1.98
Burned MBTU's								
Coal	-	-	-	-	-	-	7,460,192	104,425,788
Oil - CC	-	-	-	-	-	-	3,364	23,270
Oil - Steam/CT	-	-	-	-	3,277	-	77,582	934,978
Gas - CC	-	-	-	-	3,681,239	-	11,029,024	139,222,683
Gas - CT	-	-	47,070	-	2,130,670	-	2,920,919	23,247,948
Biogas	-	-	-	-	9,037	-	9,037	60,184
Nuclear	14,742,974	-	-	-	-	7,479,238	28,152,624	299,383,920
Total	14,742,974	-	47,070	-	5,824,223	7,479,238	49,652,742	567,298,771
Net Generation (mWh)								
Coal	-	-	-	-	-	-	696,540	9,545,564
Oil - CC	-	-	-	-	-	-	306	2,319
Oil - Steam/CT	-	(119)	-	(266)	282	-	7,021	74,242
Gas - CC	-	-	-	-	725,732	-	1,745,172	18,968,140
Gas - CT	-	-	3,386	(275)	57,631	-	128,075	2,320,102
Biogas	-	-	-	-	1,653	-	1,653	9,000
Nuclear	1,412,735	-	-	-	-	744,621	2,744,442	28,703,669
Hydro (Total System)							75,909	673,441
Solar (Total System)							15,101	252,502
Total	1,412,735	(119)	3,386	(541)	785,298	744,621	5,414,220	60,548,979
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$18,551	-	$229,813	$2,202,528
Limestone	-	-	-	-	-	-	1,488,104	11,524,433
Re-emission Chemical	-	-	-	-	-	-	-	0
Sorbents	-	-	-	-	-	-	259,930	3,425,048
Urea	-	-	-	-	-	-	55,635	988,170
Total	-	-	-	-	$18,551	-	$2,033,482	$18,140,180

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
December 2019

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	12,946
Tons received during period	-	-	-	-	45,326
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	35,598
Ending balance	-	-	-	-	22,674
MBTUs per ton burned	-	-	-	-	24.99
Cost of ending inventory ($/ton)	-	-	-	-	82.07
Oil Data:					
Beginning balance	624,745	-	2,620,038	78,040	2,961,199
Gallons received during period	-	-	-	15,034	781,684
Miscellaneous use and adjustments	-	-	-	-	(2,814)
Gallons burned during period	10,212	-	-	15,034	138,070
Ending balance	614,533	-	2,620,038	78,040	3,601,999
Cost of ending inventory ($/gal)	2.23	-	2.80	2.33	2.14
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,199,792	2,451,880	-	1,191,794
MCF burned during period	-	4,199,792	2,451,880	-	1,191,794
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	6,176
Tons received during period	-	-	-	-	1,668
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,444
Ending balance	-	-	-	-	5,400
Cost of ending inventory ($/ton)	-	-	-	-	58.66

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
December 2019

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	991,116	506,569	-	-	-
Tons received during period	267,272	75,649	-	-	-
Inventory adjustments	(7,891)	16,639	-	-	-
Tons burned during period	204,671	59,004	-	-	-
Ending balance	1,045,826	539,853	-	-	-
MBTUs per ton burned	24.96	24.79	-	-	-
Cost of ending inventory ($/ton)	80.37	79.79	-	-	-
Oil Data:					
Beginning balance	413,965	295,408	159,117	771,806	11,355,102
Gallons received during period	284,670	127,390	-	-	-
Miscellaneous use and adjustments	(7,503)	(1,529)	-	-	-
Gallons burned during period	252,690	160,935	1,964	-	-
Ending balance	438,442	260,334	157,153	771,806	11,355,102
Cost of ending inventory ($/gal)	2.03	2.04	2.33	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	45,536
MCF burned during period	-	-	-	-	45,536
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	97,890	29,383	-	-	-
Tons received during period	13,791	769	-	-	-
Inventory adjustments	10,564	-	-	-	-
Tons consumed during period	11,594	16,363	-	-	-
Ending balance	110,651	13,789	-	-	-
Cost of ending inventory ($/ton)	38.08	53.45	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
December 2019

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME December 2019
Coal Data:					
Beginning balance	-	-	-	1,510,631	1,099,686
Tons received during period	-	-	-	388,247	4,632,562
Inventory adjustments	-	-	-	8,748	39,944
Tons burned during period	-	-	-	299,273	4,163,839
Ending balance	-	-	-	1,608,353	1,608,353
MBTUs per ton burned	-	-	-	24.93	25.08
Cost of ending inventory ($/ton)	-	-	-	80.20	80.20
Oil Data:					
Beginning balance	10,202,103	8,099,345	286,993	37,867,861	38,963,816
Gallons received during period	-	-	-	1,208,778	6,392,040
Miscellaneous use and adjustments	-	-	-	(11,846)	(198,247)
Gallons burned during period	-	23,409	-	602,314	6,695,130
Ending balance	10,202,103	8,075,936	286,993	38,462,479	38,462,479
Cost of ending inventory ($/gal)	2.39	2.33	2.33	2.38	2.38
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	5,632,009	-	13,521,011	157,584,619
MCF burned during period	-	5,632,009	-	13,521,011	157,584,619
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	8,760	-	8,760	58,412
MCF burned during period	-	8,760	-	8,760	58,412
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	133,449	100,442
Tons received during period	-	-	-	16,228	272,369
Inventory adjustments	-	-	-	10,564	12,499
Tons consumed during period	-	-	-	30,401	255,470
Ending balance	-	-	-	129,840	129,840
Cost of ending inventory ($/ton)	-	-	-	40.57	40.57

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

DECEMBER 2019

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	-	-	-
	CONTRACT	45,326	$ 3,005,232	$ 66.30
	FIXED TRANSPORTATION/ADJUSTMENTS	-	734,744	-
	TOTAL	45,326	3,739,976	82.51
MAYO	SPOT	-	-	-
	CONTRACT	75,649	5,070,594	67.03
	FIXED TRANSPORTATION/ADJUSTMENTS	-	162,352	-
	TOTAL	75,649	5,232,946	69.17
ROXBORO	SPOT	-	-	-
	CONTRACT	267,272	17,364,968	64.97
	FIXED TRANSPORTATION/ADJUSTMENTS	-	716,504	-
	TOTAL	267,272	18,081,472	67.65
ALL PLANTS	SPOT	-	-	-
	CONTRACT	388,247	25,440,794	65.53
	FIXED TRANSPORTATION/ADJUSTMENTS	-	1,613,600	-
	TOTAL	388,247	$ 27,054,394	$ 69.68

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

DECEMBER 2019

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.11	7.48	13,017	2.34
MAYO	7.68	8.86	12,516	2.65
ROXBORO	6.22	8.30	12,864	2.26

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

DECEMBER 2019

	ASHEVILLE & ASHEVILLE CC	ASHEVILLE & ASHEVILLE CC	MAYO	ROBINSON	ROXBORO
VENDOR	Indigo	Spartanburg Tank Farm	Greensboro Tank Farm	Hightowers Petroleum Co.	Greensboro Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0	0
GALLONS RECEIVED	751,191	30,493	127,390	15,034	284,670
TOTAL DELIVERED COST	$ 1,563,565	$ 92,575	$ 260,683	$ 25,558	$ 581,786
DELIVERED COST/GALLON	$ 2.08	$ 3.04	$ 2.05	$ 1.70	$ 2.04
BTU/GALLON	138,000	138,000	138,000	138,000	138,000

Notes:

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
January, 2019 - December, 2019
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,744,250	938	94.25	93.85
Brunswick 2	6,972,506	932	85.40	86.26
Harris 1	7,610,594	964	90.12	89.43
Robinson 2	6,376,319	741	98.23	93.34

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
January, 2019 through December, 2019
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,347,017	225	68.34	77.93
Lee Energy Complex	1B	1,350,805	227	67.93	77.59
Lee Energy Complex	1C	1,359,905	228	68.09	77.07
Lee Energy Complex	ST1	2,590,760	379	78.03	84.13
Lee Energy Complex	Block Total	6,648,487	1,059	71.67	79.89
Richmond County CC	7	1,206,375	194	70.99	79.78
Richmond County CC	8	1,184,949	194	69.73	79.17
Richmond County CC	ST4	1,353,642	182	84.90	87.56
Richmond County CC	9	1,187,327	216	62.75	70.80
Richmond County CC	10	1,203,382	216	63.60	71.36
Richmond County CC	ST5	1,598,543	248	73.58	76.78
Richmond County CC	Block Total	7,734,218	1,250	70.63	77.22
Sutton Energy Complex	1A	1,387,898	224	70.73	81.04
Sutton Energy Complex	1B	1,378,037	224	70.23	78.78
Sutton Energy Complex	ST1	1,659,749	271	69.91	87.18
Sutton Energy Complex	Block Total	4,425,684	719	70.27	82.65

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
January, 2019 through December, 2019

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,525,530	746	23.34	78.49
Roxboro 2	1,347,329	673	22.85	81.97
Roxboro 3	2,370,058	698	38.76	76.21
Roxboro 4	2,630,521	711	42.23	82.12

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
January, 2019 through December, 2019
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	696,648	192	41.42	97.54
Asheville	2	421,987	192	25.09	93.05
Roxboro	1	604,462	380	18.16	72.56

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
January, 2019 through December, 2019
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	329,867	370	88.78
Blewett CT	-535	68	97.88
Darlington CT	21,080	763	92.89
Richmond County CT	1,658,031	934	87.94
Sutton Fast Start CT	194,811	98	92.22
Wayne County CT	140,236	963	94.61
Weatherspoon CT	-118	164	86.04

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
January, 2019 through December, 2019
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	-421	27.0	0.00
Marshall	-284	4.0	2.58
Tillery	232,720	84.0	85.00
Walters	441,426	113.0	68.89

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
November, 2018 through December, 2019
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months specified below, Asheville CC produced pre-commercial generation.

Production Month	Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
August 2019	Asheville	5	14,438	n/a	n/a	n/a
September 2019	Asheville	5	972	n/a	n/a	n/a
September 2019	Asheville	7	10,823	n/a	n/a	n/a
October 2019	Asheville	5	6,054	n/a	n/a	n/a
October 2019	Asheville	7	2,498	n/a	n/a	n/a
November 2019	Asheville	5	35,439	n/a	n/a	n/a
November 2019	Asheville	ST6	8,911	n/a	n/a	n/a
November 2019	Asheville	7	20,337	n/a	n/a	n/a
November 2019	Asheville	ST8	97	n/a	n/a	n/a
December 2019	Asheville	5	50,444	n/a	n/a	n/a
December 2019	Asheville	ST6	21,057	n/a	n/a	n/a
December 2019	Asheville	7	-	n/a	n/a	n/a
December 2019	Asheville	ST8	-	n/a	n/a	n/a